

## PATENT ABSTRACTS OF JAPAN

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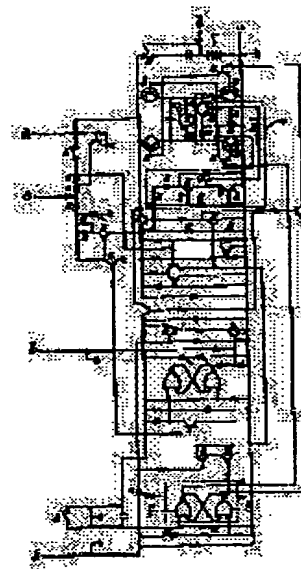
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## (54) ABRUPT STOPPING DEVICE FOR MOTOR

## (57)Abstract:

PURPOSE: To improve the reliability of an abrupt stopping device by discharging a condenser which is charged from a power source during the energization of a motor at the time of interrupting a motor and shortcircuiting between the power supply terminals of the motor.

CONSTITUTION: Transistors TrQ12, Q13 are turned ON by the input of a stop pulse SP2, a pulse is inputted to FF2 through a diode D2, a condenser C2, a resistor R6, the output (Q) becomes H, thereby reversely rotating a motor 3. Thus, a clutch (not shown) is disengaged, a switch SM is closed, the FF2 is inverted, the output (Q) becomes H, but since the TrQ14, Q15 are simultaneously turned ON, the TrQ3, Q4 are turned OFF, thereby interrupting the power source 1. Accordingly, the voltage at a point (a) is vanished, the TrQ17 becomes ON, the Q18 becomes OFF, and the TrQ16 becomes ON by the discharging current through the TrQ17 from the condenser C3 charged during the energization of the motor 3. In this manner, the power supply terminals 3a, 3b of the motor 3 are shortcircuited, thereby regeneratively braking the motor.



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